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E. Williams  
9.13.02

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

F. Abel Ponce de Leon et al.

Application Serial No. 09/500,635

Filed: February 9, 2000

Group Art Unit: 1633

Examiner: M. Wilson

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Title: PROLONGED CULTURING OF AVIAN (CHICKEN) PRIMORDIAL GERM CELLS (PGCs) USING SEPCIFIC GROWTH FACTORS, USE THEREOF TO PRODUCE CHIMERIC AVIANS (CHICKENS)

\* \* \* \* \*

AMENDMENT AND REPLY TO OFFICE ACTION

Hon. Commissioner of Patents  
Washington, DC 20231

Sir:

This amendment is responsive to the Final Office Action dated April 24, 2002. Entry and reconsideration of the claimed subject matter is respectfully requested.

IN THE SPECIFICATION:

The paragraph beginning at line 19 of page 14 is amended as shown:

C<sup>1</sup> -- LIF 0.00625 to 0.625 U/ $\mu$ l, more preferably 0.00625 to 0.0625 U/ $\mu$ l and most preferably 0.00625 to 0.01250 U/ $\mu$ l. --

IN THE CLAIMS:

Claims 21-24, 27, and 29-32 are amended and new claims 33-35 are added as follows:

C<sup>2</sup> 21. (Amended) A culturing method which provides for the maintenance of avian primordial germ cells (PGCs) for at least fourteen days in tissue culture comprising the following steps:

- (i) isolating primordial germ cells (PGCs) from a desired avian; and